DIGI-SENSE™
THE STANDARD IN PRECISION MEASUREMENT

Pressure and Flow Meter

Precalibrated & Ready to Use!

Monitor key conditions across HVAC components, promoting good indoor air quality

Ideal tool for helping HVAC field technicians determine the performance of heating and cooling systems. This handheld meter measures differential and static pressure, and calculates air velocity and flow. Meters are heavy duty, easily configurable, and feature a large backlit LCD. View measurement data in graphical formats as well as record and download data with included software for further analysis.

Features

- **Reliable measurements, guaranteed! Precalibrated to NIST-traceable standards.***
- **Displays pressure, air velocity, and airflow plus environmental temperature**
- **Relative time clock on Max/Min/Avg readings provides a time reference for major events**
- **Save and recall up to 99 sample readings per parameter**
- **Data logging software with graphical display provides quick and simple data interpretation**
- **USB connectivity allows downloading of data to PC**
- **Large backlit LCD for clear reading in dimly lit environments**
- **Auto power-off extends battery life**

Applications

- Evaluating duct performance and proper airflow
- Inspecting air filtration
- Monitoring HVAC operation in factories and warehouses
- Ensuring safe working conditions in office buildings and schools
- Adjusting motor speeds in HVAC systems

Includes

Pitot tube with two rubber hoses, USB cable, software CD, hard carrying case, battery, and NIST-traceable certificate with data and uncertainties.

***Calibration certificate provided by InnoCal®,** an ISO17025 accredited laboratory (A2LA certificate 1746.01) offering a broad range of NIST-traceable calibration services.

Specifications

Units	Range	Resolution	Accuracy
Pressure			
psi	0 to 0.7252	0.0001	±0.3% full-scale
mbar	0 to 50	0.01	±0.3% full-scale
in. H_2O	0 to 20.07	0.01	±0.3% full-scale
mm H_2O	0 to 509.8	0.1	±0.3% full-scale
Pa	0 to 5000	1	±0.3% full-scale
Air velocity			
m/s (meters per sec)	1.00 to 80.00	0.01	—
ft/min (feet per min)	200 to 15,733	1	—
km/h (kilometers per hr)	3.6 to 288.0	0.1	—
MPH (miles per hr)	2.24 to 178.66	0.01	—
Knots (nautical MPH)	2.0 to 154.6	0.1	—
Airflow			
CFM (ft^3/min)	0 to 99.999	0.0001 to 100	—
CMM (m^3/min)	0 to 99.999	0.001 to 100	—
Temperature			
°F	32 to 122	0.1	±2.0
°C	0 to 50	0.1	±1.0

Pressure repeatability: ±0.2% (max ±0.5% full-scale)

Pressure linearity/hysteresis: ±0.29% full-scale

Maximum pressure: 10 psi

Display: backlit LCD

Dimensions: 8" x 3" x 2" (20 × 7.5 × 5 cm)

Power supply: one 9 V battery

Catalog number	Description
MW-20250-13	Pressure and flow meter

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